

REMARKS

Claims 1, 2, and 4-11 are pending in the application.

Claims 1, 2, and 4-10, and 12-13 are found to contain allowable subject matter.

Claims 1, 2, 4-10, 12 and 13 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite.

In the Office Action it is submitted that it is not clear as to why a location registration of the base station is denied even if a reception level of a signal received from the base station is the highest. Also that claim 12, lines 12-13 are unclear. We appreciate the Examiner's telephone discussion on February 17, 2005.

Illustrative Example

As illustrated in Fig. 5, a subscriber unit 1 is to be able to reach five base stations 11, 21, 31, 41, and 42 deployed in four adjacent areas 10, 20, 30, and 40. Here, the "areas" are defined for location registration and accounting purposes (see specification page 2, lines 8-11).

Any of those radio base stations could offer a high reception level to the subscriber unit 1, depending on their distances.

If for example base station 31 has the highest reception level and the subscriber unit requests registration with base station 31, the registration may be denied depending on some condition, for example base station 31 provides enhanced services which the subscriber unit does not subscribe to. (Page 13, line 16 to page 14, line 21).

The denial of registration is described in, for example, the specification, page 9, lines 13-18 ("In the recognition control, ... if a location registration denial signal received, the corresponding radio base station is judged to be outside the area."). This paragraph suggests that

a radio base station may return a location registration denial signal to the requesting subscriber unit depending on some conditions.

However, the network (base station control device) actually binds the subscriber unit 1 to the area 40, meaning that the network only allows the base stations 41 and 42 in that particular area to serve the subscriber unit 1.

This is why the base stations 11, 21, and 31 in the other areas 10, 20, and 30 deny the location registration requests from the subscriber unit 1.

Therefore the next time the subscriber unit 1 is to be able to reach five base stations 11, 21, 31, 41, and 42 deployed in four adjacent areas 10, 20, 30, and 40, (page 15, line 14 to page 16, line 3).

the radio base station detecting means detects radio base stations from which a radio wave can be received (five base stations 11, 21, 31, 41, and 42) and recognizes an area number of radio base stations of which location registration is permitted (area 40) and extracts radio base stations with said area number from among the detected radio base stations (base stations 41 and 42).

In one example embodiment, the decision of whether to return a location registration denial signal is made on the network side (i.e., by the base station control device, for example). This is described in the specification, page 12, lines 16-26, with reference to Fig. 5. Also see page 16, line 11 to page 17, line 8.

Claim 12

It is respectfully submitted that the specification provides that a subscriber unit 1 establishes synchronicity with one radio base station from among radio base stations previously recognized in an area where registration is permitted.

Synchronicity is established not with all base stations permitting registration, but with one base station. This is supported by steps S12 to S14 in the flowchart of Fig. 8 and their corresponding part of the specification, which is found on page 16, lines 11 to 26. In short, steps S12 to S14 allow a subscriber unit 1 to establish synchronicity with one radio base station 41 from among radio base stations 41 and 42 in a previously recognized area 40.

In view of the remarks set forth above, it is respectfully requested the rejection be withdrawn.

However, the Examiner is invited to telephone the undersigned attorney at the number listed below should further discussion be desired.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,



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